Standards Development

13-15 September 2005
Brussels

Part I: Process Optimization
Part II: Forecasting for Standards Development
Standards Development

Part I:
Standards development process optimization for the healthcare industry

Part II:
Implement a forecasting model for future standards needs in the healthcare industry
Part I: Process Optimization

Objective

• Detail a realistic supply chain standards development process for adoption by GS1 that is optimized for the healthcare industry
Part I: Process Optimization

Scope

References

• Global standards development organizations (ex. ISO, GS1)
• Regional/national standards development organizations (ex. BSA, ANSI, CSA)
• Healthcare industry groups (ex. PhARMA, AdvaMed)

Deliverables

• Processes for standards development
• Mechanisms of adoption & enforcement
• Measures of adoption & enforcement
• Realistic framework for GS1 implementation
Part I: Process Optimization

Existing Standards Development Process Review

- Determine relevant sources of existing standards for the healthcare industry, supply chain or both
- Questionnaire focusing on key factors for healthcare
  - User base (ex. geography, industry)
  - Process flow, stakeholder involvement and championing
  - Time to define, develop, ratify and adopt
  - Regulatory: responsiveness, involvement, knowledge, trust and impact
  - Industry scope: all healthcare vs. sub-industries
  - Technical scope (ex. data format, data carriers, data transactions)
  - Original source for standards vs. copycat standards
  - Review/update cycle and criteria
  - Industry uptake
  - Enforcement practices/audits

- Compile and compare results
Part I: Process Optimization

Existing Standards Development Process User Assessment

- Determine user base of optimized standards
  - healthcare industry and sub-industry
  - existing and potential GS1 members
- Questionnaire focusing on healthcare industry expectations
  - Definition, development and ratification time
  - General process flow and stakeholder involvement
  - Regulatory agency involvement, knowledge, trust and impact
  - Industry scope: all healthcare vs. specific sub-industries
  - Technical scope (ex. data format, data carriers, data transactions)
  - Review/update cycle and criteria
  - Industry uptake
  - Enforcement practices/audits

- Compile results
- Compare expectations with Existing Process Review
Part I: Process Optimization

Develop a Baseline

- Investigate existing GS1 process
- Compare with existing standards review and user assessment
- Identify and assess gaps, additions and modifications
- Baseline GS1 healthcare process
  - Standards development process
  - Process review and update cycle
  - Enforcement/accreditation and audits
    - Within GS1
    - Healthcare industry
    - Solution providers
Part I: Process Optimization

Deliverables

- Identify and review existing relevant standards development processes
- Compile and summarize results of review [now Jan 06]
- Review standards development process user assessment
- Compile and summarize results of review [Jan 06]
- Submit first draft of GS1 “Healthcare Standards Development Process” Baseline for review [now Mar 06]
Part II: Forecasting Standards Needs

Objectives

• Forecast key supply chain standards required by the healthcare industry in 2-5 years
• Create a forecasting model and process to review and update the 2-5 year forecast
Part II: Forecasting Standards Needs

Scope

• Supply chain standards impacting healthcare industry
  • Divide into sub-industries where appropriate
• Global
• Stakeholders along supply chain channels
• Within and outside current framework of GS1
Part II: Forecasting Standards Needs

Forecast Parameters
- Data
- Data format
- Data Transactions
- Data storage
- Data carriers

Expected standards need details for model
- Rationale
  - Regulatory
  - Market/industry drivers
  - Technology advancement
- Timeframe for delivery
- Geography
- Sub-industry

Each forecast inserted into model must meet the requirements for GS1 healthcare standards development submission.
Part II: Forecasting Standards Needs

Deliverables: First Forecast

- Review successes & failures of past standards impacting healthcare
- Review current and upcoming standards & regulatory mandates (0-2 years)
- Compile current standards & mandates [now Jan 06]
- Forecast extension of standards & needs 2-5 years for “first forecast” [Jan 06]
Part II: Forecasting Standards Needs

Deliverables: Forecasting Model & Process

• Define key criteria for useful forecast  
• Generate forecasting skeleton [Sept 05] 
• Define team & process for review of forecast 
• Insert first forecast within framework [Jan 06]
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